



## Empowering the hybrid workforce

Simplify hybrid work with the cost-effective, highly secure, and easily managed HP EliteBook 650. The latest Intel® processor[2], a wide variety of configurable ports, and connectivity options allow easy adoption for use at home, in the office, or when traveling.



HP recommends Windows 11 Pro for business

### Two USB Type-C® ports

Equipped with one Thunderbolt™ 4 with USB4 Type-C®, and 1 multifunction USB Type-C® port.

### Protected by HP Wolf Security

HP Wolf Security for Business creates a hardware-enforced, always-on, resilient defense.[3]

### Crystal-clear speakers

Enjoy the crystal-clear audio performance delivered by HP Dynamic Audio[6] and HP AI Noise Reduction.[6]

## Featuring

### Look your best, even in low light

Optimize your video calls in low lighting with an HD camera and temporal noise reduction that lowers the effects of visual noise and pixelation. [6]

### Fast and efficient wireless LAN

The portability of your PC and the reliability of a fast connection determines where you can work. Get a fast and reliable connection in dense wireless environments with gigabit-speed Wi-Fi 6. [1]

### Automatic recovery from firmware attacks

Firmware attacks can completely devastate your PC. Stay protected with HP's self-healing BIOS - HP Sure Start Gen7 automatically recovers the BIOS from malware, rootkits, or corruption.

### Keep your PC's security protections in place

Stop unwanted changes to security settings and help limit the spread of malware with HP Sure Run Gen5 which identifies, quarantines, and provides reporting on attackers trying to kill processes.

### Browse confidently

Help protect your PC from websites and read only Microsoft Office and PDF attachments with embedded malware, ransomware, or viruses with hardware-enforced security from HP Sure Click. [4]

## Specifications

<b>Operating system</b>	Windows 11 Pro <sup>[1]</sup>
<b>Product color</b>	Pike silver aluminum
<b>Processor family</b>	13th Generation Intel® Core™ i5 processor
<b>Processor</b>	Intel® Core™ i5-1345U (up to 4.7 GHz with Intel® Turbo Boost Technology, 12 MB L3 cache, 10 cores, 12 threads) <sup>[6,7]</sup>
<b>Memory</b>	16 GB DDR4-3200 MHz RAM (1 x 16 GB)
<b>Memory Slots</b>	2 SODIMM
<b>Internal Storage</b>	512 GB PCIe® NVMe™ SSD
<b>Graphics</b>	Integrated
<b>Graphics (integrated)</b>	Intel® Iris® X <sup>e</sup> Graphics
<b>Display</b>	39.6 cm (15.6") diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC
<b>Display</b>	15.6" diagonal, FHD (1920 x 1080), IPS, narrow bezel, anti-glare, 250 nits, 45% NTSC <sup>[13,15,16,17]</sup>
<b>Display size (diagonal)</b>	39.6 cm (15.6")
<b>Display size (diagonal)</b>	15.6"
<b>Audio</b>	Dual stereo speakers, dual array microphones
<b>Minimum dimensions (W x D x H)</b>	35.94 x 23.39 x 1.99 cm
<b>Minimum dimensions (W x D x H)</b>	14.14 x 9.2 x 0.78 in
<b>Weight</b>	Starting at 1.78 kg <i>(Weight will vary by configuration. Does not include power adapter.)</i>
<b>Weight</b>	Starting at 3.94 lb <i>(Weight will vary by configuration. Does not include power adapter.)</i>
<b>Keyboard</b>	HP Premium Collaboration Keyboard – spill-resistant keyboard with numeric keypad
<b>Pointing device</b>	Clickpad with multi-touch gesture support
<b>Camera</b>	720p HD camera
<b>Ports</b>	1 Thunderbolt™ 4 with USB Type-C® 40Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 1 USB Type-C® 10Gbps signaling rate (USB Power Delivery, DisplayPort™ 1.4); 2 USB Type-A 5Gbps signaling rate (1 power); 1 AC power; 1 HDMI 2.1; 1 stereo headphone/microphone combo jack; 1 RJ-45 <i>(HDMI cable sold separately.)</i>
<b>Package dimensions (W x D x H)</b>	6.9 x 52 x 30.5 cm
<b>Wireless</b>	Intel® Wi-Fi 6E AX211 (2x2) and Bluetooth® 5.3 wireless card (supporting gigabit data rate)
<b>Power</b>	65 W USB Type-C™ adapter <sup>[37]</sup>
<b>Battery type</b>	HP Long Life 3-cell, 51 Wh Li-ion
<b>Battery weight</b>	0.40 lb
<b>Battery weight</b>	181.83 g
<b>Energy star certified</b>	ENERGY STAR® certified
<b>Management features</b>	HP Client Management Script Library (download); HP Driver Packs (download); HP Client Catalog (download); HP Manageability Integration Kit Gen4 (download); HP Image Assistant Gen5 (download); HP Patch Assistant (download); HP Cloud Recovery; HP Connect for Microsoft Endpoint Manager <sup>[22,23,24]</sup>
<b>Sustainable impact specifications</b>	Low Halogen
<b>Security management</b>	Absolute persistence module; HP Secure Erase; HP Sure Click; HP Sure Sense; BIOS Update via Network; HP Sure Admin; HP BIOSphere Gen6; HP Client Security Manager Gen7; TPM 2.0 embedded security chip (Common Criteria EAL4+ and FIPS 140-2 Level 2 Certified); HP Sure Start Gen7; HP Wake on WLAN; HP Tamper Lock; HP Sure Run Gen5; HP Sure Recover Gen5; Secured-Core PC Enable <sup>[25,26,27,28,29,30,31,32,33,34]</sup>
<b>Software included</b>	HP Connection Optimizer; HP Hotkey Support; HP Power Manager; myHP; HP Privacy Settings; HP Notifications; HP PC Hardware Diagnostics Windows; HP Services Scan; HP Smart Support (download) <sup>[20,21,38,57]</sup>
<b>UPC number</b>	197498980423
<b>Manufacturer Warranty</b>	1-year and 3-year limited warranties and 90 day software limited warranty options depending on country. Batteries have a default one year limited warranty. Refer to <a href="http://www.hp.com/support/batterywarranty/">http://www.hp.com/support/batterywarranty/</a> for additional battery information. On-site service and extended coverage is also available. HP Care Pack Services are optional extended service contracts that go beyond the standard limited warranties. To choose the right level of service for your HP product, use the HP Care Pack Services Lookup Tool at: <a href="http://www.hp.com/go/cpc">http://www.hp.com/go/cpc</a> .

## Top Recommended Displays, Accessories and Services

### E-Series

HP E24u G5 FHD USB-C Monitor	6N4D0AA
HP E27u G5 QHD USB-C Monitor	6N4D3AA
HP E27m G4 QHD USB-C Conferencing Monitor	40Z29AA

### Docking Stations

HP USB-C Dock G5	26D32AA
HP USB-C Dock G5	5TW10AA

### Port Replicators

HP Universal USB-C Multiport Hub	50H55AA
HP Universal USB-C Multiport Hub	50H98AA
HP 4K USB-C Multiport Hub	6G842AA
HP 4K USB-C Multiport Hub	6G843AA
HP USB-C to USB-A Hub	Z6A00AA

### Backpacks

HP Renew Business 17.3-inch Laptop Backpack	3E2U5AA
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### Cases

HP Renew Business 15.6-inch Laptop Bag	3E5F8AA
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### Mice

HP 435 Multi-Device Wireless Mouse	3B4Q5AA
HP Wired Desktop 320M Mouse	9VA80AA
HP 125 Wired Mouse	265A9AA

### Keyboards

HP 455 Programmable Wireless Keyboard	4R177AA
HP 125 Wired Keyboard	266C9AA
HP Wired Desktop 320K Keyboard	9SR37AA

### PC Locks

HP Nano Keyed Cable Lock	1AJ39AA
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### Speakerphones

Poly Sync 20+ USB-C Speakerphone	772D0AA
Poly Sync 20 USB-C Speakerphone	7F0J7AA
Poly Sync 10 USB-A USB-C Speakerphone	772C3AA

### Wireless Headset

Poly Voyager 4320 USB-C Headset +BT700 dongle	76U50AA
Poly Voyager 5200 USB-A Bluetooth Headset +BT700 dongle	7K2F3AA

### Wired Headset

Poly Blackwire C5220 USB-C Headset +Inline Cable	805H3AA
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### Personal Video Devices

Poly Studio P5 USB-A Webcam TAA	76U43AA
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## Messaging Footnotes

[1] Wireless access point and internet service required and sold separately. Availability of public wireless access points limited. Wi-Fi 6 is backwards compatible with prior 802.11 specs. The specifications for Wi-Fi 6 (802.11ax) are draft and are not final. If the final specifications differ from the draft specifications, it may affect the ability of the PC to communicate with other 802.11ax devices. Wi-Fi® supporting gigabit speeds is achievable with Wi-Fi 6 (802.11ax) when transferring files between two devices connected to the same router. Requires a wireless router, sold separately, that supports 160MHz channels.

[2] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. AMD's numbering is not a measurement of clock speed.

[3] HP Wolf Security for Business requires Windows 10 Pro and higher, includes various HP security features and is available on HP Pro, Elite, Workstation, and RPOS products. See product details for included security features and OS requirements.

[4] HP Sure Click supports Microsoft® Internet Explorer and Chromium™. Supported attachments include Microsoft Office (Word, Excel, PowerPoint) and PDF files in read only mode, when Microsoft Office or Adobe Acrobat are installed.

[6] Requires the myHP application and Windows OS.

## Technical Specifications Footnotes

[1] Not all features are available in all editions or versions of Windows. Systems may require upgraded and/or separately purchased hardware, drivers, software or BIOS update to take full advantage of Windows functionality. Windows is automatically updated and enabled. High speed internet and Microsoft account required. ISP fees may apply and additional requirements may apply over time for updates. See <http://www.windows.com>.

[6] Multi-core is designed to improve performance of certain software products. Not all customers or software applications will necessarily benefit from use of this technology. Performance and clock frequency will vary depending on application workload and your hardware and software configurations. Intel's numbering, branding and/or naming is not a measurement of higher performance.

[7] Intel® Turbo Boost performance varies depending on hardware, software and overall system configuration. See <http://www.intel.com/technology/turboboost/> for more information.

[13] HD content required to view HD images.

[15] Resolutions are dependent upon monitor capability, and resolution and color depth settings.

[16] HP Sure View Reflect integrated privacy screen is an optional feature that must be configured at purchase and is designed to function in landscape orientation.

[17] Actual brightness will be lower with touchscreen or Sure View.

[20] HP Support Assistant requires Windows and Internet access.

[21] HP Services Scan is provided with Windows Update on select products and will check entitlement on each hardware device to determine if an HP TechPulse-enabled service has been purchased, and will download applicable software automatically. HP TechPulse is a telemetry and analytics platform that provides critical data around devices and applications. For full system requirements or to disable this feature, please visit <http://www.hpdaas.com/requirements>. Not applicable in China.

[22] HP Connect for Microsoft Endpoint Manager is available from the Azure Market Place for HP Pro, Elite, Z and Point-of-Sale PCs managed with Microsoft Endpoint Manager. Subscription to Microsoft Endpoint Manager required and sold separately. Network connection required.

[23] HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.

[24] HP Patch Assistant available on select HP PCs with the HP Manageability Kit that are managed through Microsoft System Center Configuration Manager. HP Manageability Integration Kit can be downloaded from <http://www8.hp.com/us/en/ads/clientmanagement/overview.html>.

[25] HP Sure Click requires Windows 10 Pro or higher or Enterprise. See [https://bit.ly/2PrLT6A\\_SureClick](https://bit.ly/2PrLT6A_SureClick) for complete details.

[26] HP Sure Sense is available on select HP PCs with Windows 10 Pro, Windows 10 Enterprise, Windows 11 Pro, or Windows 11 Enterprise OS25. HP Sure Run Gen5 is available on select HP PCs and requires Windows 10 and higher.

[27] HP SureRun Gen5 is available on select HP PCs and requires Windows 10 and higher.

[28] HP Sure Recover is available on HP Elite PCs with 8th generation Intel® or AMD processors and requires an open, wired network connection. You must back up important files, data, photos, videos, etc. before use to avoid loss of data. Does not support platforms with Intel® Optane™.

[29] HP Sure Start Gen7 is available on select HP PCs and requires Windows 10 and higher.

[30] HP Client Security Manager Gen7 requires Windows and is available on the select HP Elite and Pro PCs.

[31] HP BIOSphere Gen6 features may vary depending on the platform and configuration.

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